CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date: 14.03.2018

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Technical Manager,** KRIDL, Bangalore.
NAME OF THE WORK	:	Providing drinking water facilities in Jalahalli Village Colony and surrounding areas in ward no.16 Jalahalli, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	390 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

Note:

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- The results indicated above are based on the tests carried out on the samples received in the laboratory.
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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 14.03.2018

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Technical Manager,** KRIDL, Bangalore.
Name of Work : Providing drinking water facilities in Jalahalli Village Colony and surrounding areas in ward no.16 Jalahalli, BBMP, Bangalore.
Date of Testing : 14.03.2018
Material : Sand

Total Wt. of Aggregates **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	89	4.45	4.45	95.6	90-100
2.36	158	7.90	12.35	87.7	75-100
1.18	142	7.10	19.45	80.6	55-90
600 Micron	537	26.85	46.30	53.7	35-59
300 Micron	655	32.75	79.05	21.0	8-30
150 Micron	286	14.30	93.35	6.6	0-10

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory # 111, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 14.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Technical Manager,** KRIDL, Bangalore.
Name of Work : Providing drinking water facilities in Jalahalli Village Colony and surrounding areas in ward no.16 Jalahalli, BBMP, Bangalore.

Date of Testing : 14.03.2018

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	174	1.16	1.16	98.84	95-100
20	8364	55.76	56.92	43.08	30-70
10	3452	23.01	79.93	20.07	10-35
4.75	2584	17.23	97.16	2.84	0-5

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Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 14.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Technical Manager,** KRIDL, Bangalore.
Name of Work : Providing drinking water facilities in Jalahalli Village Colony and surrounding areas in ward no.16 Jalahalli, BBMP, Bangalore.

Date of Testing : 14.03.2018

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2864	57.3	61.2	38.8	25-55
4.75	1535	30.7	91.9	8.1	0-10

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ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date: 15.03.2018

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Technical Manager,** KRIDL, Bangalore.
NAME OF THE WORK	:	Providing drinking water facilities in Jalahalli Village Colony and surrounding areas in ward no.16 Jalahalli, BBMP, Bangalore.
SAMPLE ID	:	Bricks Test – Class 7.5 (Machine molded)
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1)	7.98 N/mm^2	Class designation 7.5
2	Water Absorption of Bricks	IS 3495-1992 (Part – 2)	10.63 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part – 3)	Moderate	Up to 12.5 Class
4	Dimensional Analysis of Bricks (minimum Sampling is 20 Nos.)	IS 1077-1992 (Rev – 5)		
(a)	Measurement of Length in mm		3828 mm	(3800 ± 80 mm)
(b)	Measurement of Width in mm		1832 mm	(1800 ± 40 mm)
(c)	Measurement of Height in mm		1427 mm	(1400 ± 40 mm)

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